

## ABSTRACT:

The invention relates to a wireless network comprising terminals and an assigned central station, which network, after receiving requests for the wireless transmission of packets between a transmitting and a receiving terminal during a time multiplex frame, is provided for assigning time slots of a following time multiplex frame for the wireless transmission of packets from a transmitting to a receiving terminal. After reception of all the requests the central station determines a first subset which contains all the transmitting terminals that intend to transmit packets to a plurality of receiving terminals, and a second subset of the rest which contains the transmitting terminals. The order in which the transmitting terminals of the first subset transmit is determined in accordance with the decreasing number of receiving terminals assigned to a transmitting terminal. The receiving terminals of the first subset assigned to a transmitting terminal are subdivided into a first group and into a second group which contains all the other receiving terminals, and the receiving terminals of the second group are selected first. Within the two groups the order of reception of the receiving terminals is determined in accordance with the transmission order as a transmitting terminal.

Fig. 1